

DIVISION X

TRAFFIC SIGNAL AND STREET LIGHTING

LIGHT EMITTING DIODE (LED) LUMINAIRES

PHOTO ELECTRIC CONTROLS (PEC)

QUALIFIED PRODUCTS LIST (QPL)

NOVEMBER 1, 2021

Table of Contents - LED Luminaire Qualified Products List (QPL)

TRAFFIC SIGNALS AND STREET LIGHTING LED LUMINAIRE QUALIFIED PRODUCTS LIST	3
Local Residential Luminaires:.....	3
Local Residential Luminaires (Enhanced): <i>Enhanced locations shall be approved by City Engineer prior to final plan approval.</i>	3
Local Cul-De-Sac and Knuckle Luminaires:.....	4
Local Cul-De-Sac and Knuckle Luminaires (Enhanced): <i>Enhanced locations shall be approved by City Engineer prior to final plan approval.</i>	4
Major-Street Mid-Block Luminaires:.....	4
Major-Street Mid-Block Luminaires (Enhanced): <i>Enhanced locations shall be approved by City Engineer prior to final plan approval.</i>	5
Major Street & Local Street Intersection Luminaires:	5
Medium Traffic Signals & Intersections:	6
Large Traffic Signals & Intersections:	7
Expressway Traffic Signals:	7
Photoelectric Control (PEC):	8
Photocell Bypass (Shorting Caps):.....	8

TRAFFIC SIGNALS AND STREET LIGHTING LED LUMINAIRE QUALIFIED PRODUCTS LIST

All Traffic Signal And Street Light LED Luminaries shall conform to City of Fresno, Standard Specifications, Addendum No. 7, Section 23, City Specifications For Traffic Signals And Street Lighting, March 5, 2021.

The following Light Emitting Diode (LED) fixtures have been analyzed and were determined to meet the City Standard Specifications. The actual LED fixtures and LED photoelectric control to be installed shall be on this Traffic Signal and Street Lighting Light Emitting Diode Luminaire (LED), QPL, November 1, 2021, or an Approved Equal.

A Submittal shall be required if an "Approved Equal" is proposed for installation by the Contractor. The Submittal shall be reviewed, validated for compliance to Section 23-3, City Specifications For Street Lighting, AND shall be approved by the City Engineer prior to contractor ordering or installing. Non-compliant or incomplete submittals will be rejected.

Local Residential Luminaires:

MANUFACTURER	PRODUCT LINE	MODEL NUMBER	POWER 30.00W Max	DATE
CREE	RSWS Series	RSWS-A-HT-2ME-3L-40K8-UL-GY-N (ORDERING SKU: RSWS9054&SP)	29W	03/12/2019
LEOTEK	GCI H-Series	GCI1-20H-MV-NW-2R-GY-350-FDC-PCR7-WL-BBL	25W	11/13/2019
AMERICAN ELECTRIC	Autobahn Series	ATB0-P201-MVOLT-R3-MP-NL-P7 (RFD326932)	22W	10/25/2021

Local Residential Luminaires (Enhanced):

Enhanced locations shall be approved by City Engineer prior to final plan approval.

MANUFACTURER	PRODUCT LINE	MODEL NUMBER	POWER 40.00W Max	DATE
CREE	RSW Small	RSWS-A-HT-2ME-5L-40K8-UL-GY-N-X2 (ORDERING SKU: RSWS9055&SP)	38W	03/12/2019
LEOTEK	Green Cobra Jr.	GCI1-20H-MV-NW-2R-GY-530-FDC-PCR7-WL-BBL	34W	11/13/2019
AMERICAN ELECTRIC	Autobahn Series	ATB0-P201-MVOLT-R3-MP-NL-P7 (RFD326933)	27W	10/25/2021

Local Cul-De-Sac and Knuckle Luminaires:

MANUFACTURER	PRODUCT LINE	MODEL NUMBER	POWER 30.00W Max	DATE
CREE	RSWS Series	RSWS-A-HT-2ME-3L-40K8-UL-GY-N (ORDERING SKU: RSWS9054&SP)	29W	03/12/2019

Local Cul-De-Sac and Knuckle Luminaires (Enhanced):

Enhanced locations shall be approved by City Engineer prior to final plan approval.

MANUFACTURER	PRODUCT LINE	MODEL NUMBER	POWER 40.00W Max	DATE
CREE	RSW Small	RSWS-A-HT-2ME-5L-40K8-UL-GY-N-X2 (ORDERING SKU: RSWS9055&SP)	38W	03/12/2019

Major-Street Mid-Block Luminaires:

MANUFACTURER	PRODUCT LINE	MODEL NUMBER	POWER 30.00W Max	DATE
CREE	RSWS Series	RSWS-A-HT-2ME-3L-40K8-UL-GY-N (ORDERING SKU: RSWS9054&SP)	29W	03/12/2019
LEOTEK	Green Cobra Jr.	G CJ1-20H-MV-NW-2R-GY-350-FDC-PCR7-WL-BBL	25W	11/13/2019
AMERICAN ELECTRIC	Autobahn Series	ATB0-P201-MVOLT-R3-MP-NL-P7 (RFD326932)	22W	10/25/2021

Major-Street Mid-Block Luminaires (Enhanced):

Enhanced locations shall be approved by City Engineer prior to final plan approval.

MANUFACTURER	PRODUCT LINE	MODEL NUMBER	POWER 40.00W Max	DATE
CREE	RSW Small	RSWS-A-HT-2ME-5L-40K8-UL-GY-N-X2 (ORDERING SKU: RSWS9055&SP)	38W	03/12/2019
LEOTEK	Green Cobra Jr.	G CJ1-20H-MV-NW-2R-GY-530-FDC-PCR7-WL-BBL	34W	11/13/2019
AMERICAN ELECTRIC	Autobahn Series	ATB0-P201-MVOLT-R3-MP-NL-P7 RFD (RFD326933)	27W	10/25/2021

Major Street & Local Street Intersection Luminaires:

MANUFACTURER	PRODUCT LINE	MODEL NUMBER	POWER 75.00W Max	DATE
CREE	RSW Medium	RSWM-A-HT-2LG-9L-40K8-UL-GY-N-X6 (ORDERING SKU: RSWM9036&SP)	75W	3/12/2019
LEOTEK	Green Cobra Medium	GCM2-40H-MV-NW-2R-GY-575-FDC-PCR7-WL-BBL	73W	11/13/2019
AMERICAN ELECTRIC	Autobahn Series	ATB0-P203-MVOLT-R2-MP-NL P7 (RFD326946)	70W	10/25/2021

Small Traffic Signals & Intersections:**Farthest Diagonal Poles Less Than 135 Feet (<135')**

MANUFACTURER	PRODUCT LINE	MODEL NUMBER	POWER 55.00W Max	DATE
CREE	RSW Small	RSWS-A HT-3ME-6L-40K7-UL-GY-N (ORDERING SKU: RSWS9056&SP)	53W	03/13/2019
LEOTEK	Green Cobra Medium	CV1-H-MV-40K-2R-GY-060-FOC-WL-PCR7	48W	12/17/2019
AMERICAN ELECTRIC	Autobahn Series	ATB0-P202-MVOLT-R3-MP-NL-P7 (RFD326947)	49W	10/25/2021

Medium Traffic Signals & Intersections:**Farthest Diagonal Poles Between 135 Feet To 165 Feet (135' – 165')**

MANUFACTURER	PRODUCT LINE	MODEL NUMBER	POWER 80.00W Max	DATE
CREE	RSW Medium	RSWM-A-HT-3ME-9L-40K7-UL-GY-N (ORDERING SKU: RSWM9037&SP)	78W	03/13/2019
LEOTEK	Green Cobra Medium	GCM1-60J-MV-40K-3F-GY-095-FOC-WL-PCR7	59W	12/17/2019
AMERICAN ELECTRIC	Autobahn Series	ATB0-P203-MVOLT-R3-MP-NL-P7 (RFD 326948)	70W	10/25/2021

Large Traffic Signals & Intersections:

Farthest Diagonal Poles From 166 Feet To 200 Feet (166'-200')

MANUFACTURER	PRODUCT LINE	MODEL NUMBER	POWER 100.00W Max	DATE
CREE	XSPMD Series	XSPMD-D-HT-3ME-12L-40K7-UL-SV-N-J	95W	03/13/2019
LEOTEK	Green Cobra Medium	GCM1-60J-MV-40K-3F-GY-125-FOC-WL-PCR7	80W	12/17/2019
AMERICAN ELECTRIC	Autobahn Series	ATBO-P204-MVOLT-R3-MP-NL-P7 (RFD 326949)	88W	10/25/2021

Expressway Traffic Signals:

Farthest Diagonal Poles Greater Than 200 Feet (>200')

MANUFACTURER	PRODUCT LINE	MODEL NUMBER	POWER 110.00W Max	DATE
CREE	RSWL Series	RSWL-A-HT-3ME-14L-40K7-UL-GY-N-X6 (ORDERING SKU: RSWL9021&SP)	108W	03/13/2019
LEOTEK	Green Cobra Medium	GCM2-60J-MV-40K-3F-GY-140-FOC-WL-PCR7	89W	12/17/2019
AMERICAN ELECTRIC	Autobahn Series	ATBO-P205-MVOLT-R3-MP-NL P7 (RFD 326950)	102W	10/25/2021

Photoelectric Control (PEC):

The following Photo Electric Controls have been analyzed and were determined to meet the City Standard Specifications. The actual LED fixtures and LED photoelectric control to be installed should be on this Traffic Signal and Street Lighting Light Emitting Diode (LED) Luminaire, QPL, November 1, 2021, or an Approved Equal.

A Submittal shall be required if an "Approved Equal" is proposed for installation by the Contractor. The Submittal shall be reviewed, validated for compliance to Section 23-3, City Specifications For Street Lighting, AND shall be approved by the City Engineer prior to contractor ordering or installing. Non-compliant or incomplete submittals will be rejected.

MANUFACTURER	PRODUCT LINE	MODEL NUMBER	DATE
SUN-TECH	Long Life II	ELL120-4-T-FO	03-13-2019
ACUITY CONTROLS DTL	DTL Elite	DLL127 120-277V 1.5 BL	12/31/2019
INTERMATIC	DLL Elite	LED4536SC	12/31/2019
RIPLEY LIGHTING CONTROLS	ZTL Long Life	6390LL	12/31/2019

Photocell Bypass (Shorting Caps):

Shorting Caps shall be "Listed" for the application by Occupational Safety and Health Administration (OSHA) Nationally Recognized Test Laboratory (NRTL) such as UL, CSA, or ETL. The locking type, shorting cap shall install on an ANSI C136-10 NEMA style 3-pin receptacle to connect load pins to bypass local photocell control. The Shorting Caps shall have a rating of 15A at 105-488 VAC. The shorting caps shall be constructed with UV stabilized polypropylene cap, black polypropylene base and neoprene blended gasket. The shorting cap shall meet all environmental and electrical requirements of ANSI C136.10. The shorting cap shall have a Manufactures Warranty of a minimum of 6 years.